



Subject card

Subject name and code	BUSINESS PROCESSES MODELING, PG_00067661						
Field of study	Management						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Katarzyna Karpienko					
	Teachers	dr inż. Katarzyna Karpienko					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours		Self-study		SUM
	Number of study hours	30	4.0		16.0		50
Subject objectives	Preparing students to create business process models and conduct simulations using specialized software, based on knowledge of economic processes, as well as fostering attitudes related to critically interpreting simulation results and applying them responsibly in organizational decision-making.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_U02] presents logical and well-founded arguments regarding obtained results through the analysis and synthesis of information in various business contexts, critically evaluating their interpretation.	is able to build a business process model and run its simulation in dedicated software, formulate logical conclusions, and critically interpret the results in relation to the specifics of the analyzed process.			[SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		
	[K7_W02] understands the significance and interrelationships of key components describing economic processes, drawing on in-depth knowledge aligned with major developmental trends in scientific disciplines related to the field of studies.	knows and understands the structure and interrelationships of business processes in the context of computer modeling and simulation, making use of current trends in management and economics.			[SW1] Assessment of factual knowledge		
Subject contents							
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Evaluation of the quality of model building in stage	60.0%			35.0%		
	Assessment of project task implementation	60.0%			55.0%		
	Oral defense of the project task	60.0%			10.0%		
Recommended reading	Basic literature	Dokumentacja programu iGrafx Process, dostępna w Internecie					

	Supplementary literature	<p>Drejewicz Sz.: Zrozumieć BPMN. Modelowanie procesów biznesowych. Wydanie 2 rozszerzone, Helion 2017</p> <p>Grzesiak M.: Modelowanie procesów biznesowych z wykorzystaniem narzędzi iGrafx Process 2015, Wydawnictwo Politechniki Gdańskiej 2018</p> <p>Piotrowski M.: Notacja modelowania procesów biznesowych. Podstawy, BTC 2014</p> <p>Piotrowski M.: Procesy biznesowe w praktyce. Projektowanie, testowanie i optymalizacja, Helion 2013</p> <p>Grajewski P: Organizacja procesowa, PWE 2007</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	<p>Build a simulation model of the proces</p> <p>Carry out a simulation experiment</p> <p>Interpret the results and make improvements to the proces</p>	
Practical activites within the subject	Not applicable	

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